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<110> Nelsestuen, Gary L.

<120> MODIFIED VITAMIN K-DEPENDENT  
POLYPEPTIDES

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<140> 08/955,636

<141> 1997-10-23

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<212> PRT

<213> Homo sapiens

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<222> (0)...(0)

<223> Xaa=gamma carboxyglutamic acid or glutamic acid

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Cys	Ile	Xaa	Xaa	Ile	Cys	Asp	Phe	Xaa	Xaa	Ala	Lys	Xaa	Ile	Phe	Gln
			20					25						30	
Asn	Val	Asp	Asp	Thr	Leu	Ala	Phe	Trp	Ser	Lys	His				
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Ala	Asn	Ser	Phe	Leu	Xaa	Xaa	Leu	Arg	Pro	Gly	Asn	Val	Xaa	Arg	Xaa
				5				10						15	
Cys	Ser	Xaa	Xaa	Val	Cys	Xaa	Phe	Xaa	Xaa	Ala	Arg	Xaa	Ile	Phe	Gln
			20					25						30	
Asn	Thr	Xaa	Asp	Thr	Met	Ala	Phe	Trp	Ser	Phe	Tyr				

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Ala	Asn	Ala	Phe	Leu	Xaa	Xaa	Leu	Arg	Pro	Gly	Ser	Leu	Xaa	Arg	Xaa
1				5					10					15	
Cys	Lys	Xaa	Xaa	Gln	Cys	Ser	Phe	Xaa	Xaa	Ala	Arg	Xaa	Ile	Phe	Lys
			20					25					30		
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Ala	Asn	Gly	Phe	Leu	Xaa	Xaa	Leu	Arg	Pro	Gly	Ser	Leu	Xaa	Arg	Xaa
1				5					10					15	
Cys	Arg	Xaa	Xaa	Leu	Cys	Ser	Phe	Xaa	Xaa	Ala	His	Xaa	Ile	Phe	Arg
			20					25					30		
Asn	Xaa	Xaa	Arg	Thr	Arg	Gln	Phe	Trp	Val	Ser	Tyr				
		35					40								

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Tyr	Asn	Ser	Gly	Lys	Leu	Xaa	Xaa	Phe	Val	Gln	Gly	Asn	Leu	Xaa	Arg
1				5					10					15	
Xaa	Cys	Met	Xaa	Xaa	Lys	Cys	Ser	Phe	Xaa	Xaa	Ala	Arg	Xaa	Val	Phe
			20					25					30		

Xaa Asn Thr Xaa Arg Thr Thr Xaa Phe Trp Lys Gln Tyr  
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<210> 6  
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 1 5 10 15  
 Xaa Cys Met Xaa Xaa Lys Cys Ser Phe Xaa Xaa Ala Arg Xaa Val Phe  
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 Xaa Asn Thr Xaa Lys Arg Thr Thr Xaa Phe Trp Lys Gln Tyr  
 35 40 45

<210> 7  
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<400> 7  
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36

<210> 8  
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<210> 14  
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<400> 14  
gccaaggaaa ttttcgaaga tgtggatgac acactg

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<210> 17  
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<400> 17  
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          20                  25                  30  
Xaa Ser Leu Ser Ala Thr Asp Ala Phe Trp Ala Lys Tyr  
          35                  40                  45

<210> 18  
<211> 44  
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<223> Xaa=gamma carboxyglutamic acid or glutamic acid

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      <400> 18
Ala Asn Ser Phe Leu Xaa Xaa Val Lys Gln Gly Asn Leu Xaa Arg Xaa
  1              5              10              15
Cys Leu Xaa Xaa Ala Cys Ser Leu Xaa Xaa Ala Arg Xaa Val Phe Xaa
      20              25              30
Asp Ala Xaa Gln Thr Asp Xaa Phe Trp Ser Lys Tyr
      35              40

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[illegible]